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## Patent Abstracts of Japan

PUBLICATION NUMBER : 09321676  
PUBLICATION DATE : 12-12-97

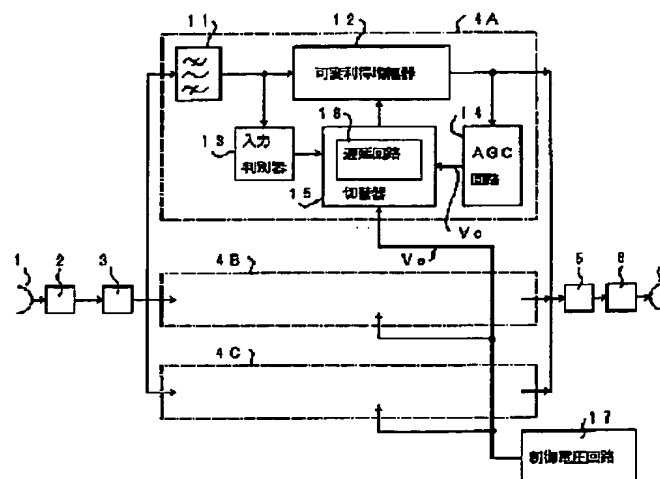
APPLICATION DATE : 29-05-96  
APPLICATION NUMBER : 08134524

APPLICANT : NEC CORP;

INVENTOR : SASAKI TAKAMORI;

INT.CL. : H04B 7/005 H04B 3/04

TITLE : MULTICARRIER AUTOMATIC GAIN  
CONTROL SYSTEM FOR  
NON-REPRODUCING STATION



ABSTRACT : PROBLEM TO BE SOLVED: To surely prevent adjacent carrier interference, to simplify a circuit and to reduce costs by constituting the circuit so as to select the control voltage of a control voltage circuit when the level of an input signal gets lower than a set level.

SOLUTION: In the input signal, only the band of a self-carrier signal is selected by a band filter 11, amplified by a variable gain amplifier 12 and outputted as an amplified carrier signal. An input discriminator 13 detects the input level of the carrier signal inputted to the variable gain amplifier 12 and discriminates whether this input level is settled within the range set in advance or not. An automatic gain control(AGC) circuit 14 detects the output level of the variable gain amplifier 12 and controls the gain of the variable gain amplifier 12 so that this output level can be settled at a prescribed level set in advance. Based on the output of the input discriminator 13, a switcher 15 selects a control voltage  $V_c$  outputted from the AGC circuit 14.

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